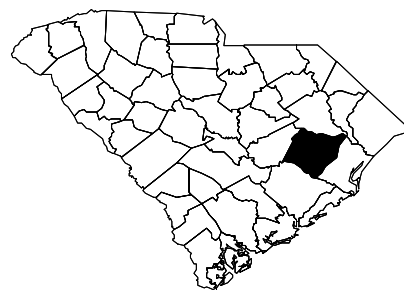


# IMPACT OF CHRONIC CONDITIONS WILLIAMSBURG County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Williamsburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The majority (35%) of the population in Williamsburg county are between the ages of 18-44, and there are more females (53%) than males (47%). Williamsburg county has a higher minority population (67%) and more people under the age of 18 (26%) than the state's (32% and 24%, respectively). When adults in Williamsburg county were asked about their general health status, 63.2% reported having excellent, very good, or good health in 2002 (SC was 83%).

	WILLIAMSBURG COUNTY	STATE
<b>Population size</b>	36,491	4,107,183
<b>Age distribution (%)</b>		
<18	26	24
18-44	35	40
45-64	26	24
65-84	12	11
85+	2	1
<b>Race (%)</b>		
White	33	68
Black & Other	67	32
<b>Sex (%)</b>		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Williamsburg county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	29	27
Sedentary lifestyle	36	42
Overweight	60	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.6	.	.	.	.	28.4
Number of hospitalizations	103	78	25	39	64	5,173
Standard rate of hospitalizations (per 100,000)	272	337	164	242	296	125
Median age of hospitalized patients	63	58	73	63	63	63
Total cost of hospitalization (\$)	1,293,500	1,007,000	286,500	386,700	906,800	79,350,400
Average length of hospital stay (days)	5	5	4	4	5	5
Number of ED visits	125	110	15	70	55	7,306
Standard rate of ED visits (per 100,000)	345	484	109	431	272	175
Median age of ED patients	53	48	60	53	53	53
Total cost of ED visits (\$)	97,900	88,600	9,300	57,200	40,700	5,902,800
Number of deaths*	5	4	1	2	3	366
Standard death rate (per 100,000)*	13	18	6	18	12	9

HEART DISEASE	County					State
	9	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.4	.	.	.	.	5.13
Number of hospitalizations	331	166	165	164	167	30,831
Standard rate of hospitalizations (per 100,000)	856	735	1,037	1,016	739	734
Median age of hospitalized patients	68	63	68	63	73	68
Total cost of hospitalization (\$)	8,681,600	3,921,900	4,759,700	4,563,900	4,117,700	969,122,700
Average length of hospital stay (days)	5	6	4	4	5	5
Number of ED visits	63	40	23	36	27	2,754
Standard rate of ED visits (per 100,000)	160	175	146	208	119	66
Median age of ED patients	78	70	78	70	83	63
Total cost of ED visits (\$)	109,800	73,300	36,500	70,000	39,800	10,617,900
Number of deaths*	115	73	41	57	58	9,723
Standard death rate (per 100,000)*	305	331	264	410	236	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.17	.	.	.	.	2.38
Number of hospitalizations	188	117	71	90	98	14,317
Standard rate of hospitalizations (per 100,000)	487	522	430	573	417	351
Median age of hospitalized patients	73	73	78	73	73	73
Total cost of hospitalization (\$)	3,405,700	2,244,300	1,161,400	1,760,600	1,645,100	279,819,700
Average length of hospital stay (days)	7	8	6	8	6	6
Number of ED visits	67	51	16	26	41	2,732
Standard rate of ED visits (per 100,000)	174	225	97	158	182	67
Median age of ED patients	58	58	58	58	60	73
Total cost of ED visits (\$)	143,600	101,600	42,000	55,700	87,900	6,322,600
Number of deaths*	37	28	9	15	22	2,816
Standard death rate (per 100,000)*	98	128	54	100	91	73

<b>CHRONIC OBSTRUCTIVE PULMONARY DISEASE</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Number of hospitalizations	150	76	74	68	82	14,524
Standard rate of hospitalizations (per 100,000)	387	318	468	405	379	351
Median age of hospitalized patients	58	53	63	58	58	58
Total cost of hospitalization (\$)	1,992,200	963,300	1,028,900	1,058,100	934,100	198,700,700
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ED visits	579	450	129	250	329	37,517
Standard rate of ED visits (per 100,000)	1,593	1,873	1,048	1,476	1,701	914
Median age of ED patients	28	23	43	18	33	33
Total cost of ED visits (\$)	459,600	329,300	130,300	214,600	245,000	30,607,600
Number of deaths*	8	3	5	6	2	1,891
Standard death rate (per 100,000)*	22	14	32	46	9	48

<b>DIABETES</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Prevalence (%)	9.2	.	.	.	.	8.33
Number of hospitalizations	162	141	21	68	94	8,652
Standard rate of hospitalizations (per 100,000)	431	606	144	410	436	207
Median age of hospitalized patients	58	60	58	55	63	53
Total cost of hospitalization (\$)	2,640,500	2,144,000	496,500	1,015,100	1,625,400	127,167,500
Average length of hospital stay (days)	6	6	8	6	7	6
Number of ED visits	235	219	16	102	133	9,316
Standard rate of ED visits (per 100,000)	626	951	113	616	621	224
Median age of ED patients	68	68	73	53	68	53
Total cost of ED visits (\$)	199,200	188,300	10,900	96,300	102,900	8,261,100
Number of deaths*	14	11	3	2	1	1,114
Standard death rate (per 100,000)*	37	51	16	21	10	28

<b>ALL CANCERS</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Number of hospitalizations	267	181	86	91	176	24,644
Standard rate of hospitalizations (per 100,000)	708	799	537	555	853	591
Median age of hospitalized patients	58	58	63	63	53	58
Total cost of hospitalization (\$)	5,791,800	3,934,200	1,857,600	2,543,800	3,248,000	605,119,300
Average length of hospital stay (days)	6	6	6	8	5	6
Number of deaths*	83	52	30	51	32	8,320
Standard death rate (per 100,000)*	214	232	179	338	139	203

<b>COLORECTAL CANCER</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Number of hospitalizations	20	12	8	13	7	2,113
Standard rate of hospitalizations (per 100,000)	51	54	49	79	32	51
Median age of hospitalized patients	63	63	63	63	63	68
Total cost of hospitalization (\$)	773,100	459,700	313,400	595,800	177,300	80,248,200
Average length of hospital stay (days)	10	9	10	10	8	10
Number of deaths*	10	8	2	6	4	807
Standard death rate (per 100,000)*	27	38	12	39	19	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	12	5	.	17	1,465
Standard rate of hospitalizations (per 100,000)	42	51	31	.	76	35
Median age of hospitalized patients	58	58	63	.	58	63
Total cost of hospitalization (\$)	273,000	185,400	87,600	.	273,000	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	9	6	3	-	9	630
Standard death rate (per 100,000)*	23	26	17	-	38	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	9	14	.	.	14	5
Median age of hospitalized patients	83	83	.	.	83	48
Total cost of hospitalization (\$)	38,100	38,100	.	.	38,100	3,668,300
Average length of hospital stay (days)	4	4	.	.	1	4
Number of deaths*	1	-	-	1	2	26
Standard death rate (per 100,000)*	4	-	-	5	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	26	15	11	17	9	2,154
Standard rate of hospitalizations (per 100,000)	65	66	64	102	38	51
Median age of hospitalized patients	68	68	68	68	68	68
Total cost of hospitalization (\$)	632,800	446,600	186,200	489,200	143,600	70,474,400
Average length of hospital stay (days)	7	8	6	8	6	9
Number of deaths*	27	12	14	24	3	2,481
Standard death rate (per 100,000)*	68	52	84	154	13	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	11	3	14	.	1,353
Standard rate of hospitalizations (per 100,000)	36	50	17	92	.	32
Median age of hospitalized patients	73	73	58	73	.	68
Total cost of hospitalization (\$)	235,600	183,700	51,900	235,600	.	24,726,200
Average length of hospital stay (days)	4	4	3	4	.	4
Number of deaths*	5	5	-	5	-	478
Standard death rate (per 100,000)*	13	23	-	38	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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